

HUNTERS POINT  
SSIC 5000-33B

**MONTHLY LANDFILL GAS MONITORING LETTER REPORT FOR  
MAY 2020, POST-REMOVAL ACTION  
PARCEL E-2, INDUSTRIAL LANDFILL  
HUNTERS POINT SHIPYARD SAN FRANCISCO COUNTY, CALIFORNIA  
05/21/2020  
INYA INCORPORATED**

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Further Evaluation for Freedom of Information Act Exemption(s)  
and will be Released or Withheld at a Later Date**

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21 May 2020

Ms. Leslie A. Howard, Remedial Project Manager, HPNS  
Base Realignment and Closure Program Management Office, West  
33000 Nixie Way, Bldg. 50  
San Diego, California 92147

**Subject:** Monthly Landfill Gas Monitoring Letter Report for May 2020  
Post-Removal Action, Parcel E-2 Industrial Landfill  
Hunters Point Naval Shipyard, San Francisco, California

Dear Ms. Howard,

Monthly landfill gas monitoring for Parcel E-2 was performed on Tuesday, May 12, 2020. Monitoring was performed using a GEM-2000 landfill gas analyzer and a photo-ionization detector at gas monitoring probe locations GMP08A, GMP23 and GMP24. GMP08A is located along the fence line (east side) of the perimeter of the landfill while GMP23 and GMP24 are located within the UCSF compound as shown on Figure 1.

The results for the routine monthly monitoring event were as follows:

**Methane**

- Methane was not detected by the field monitoring equipment in any of the gas samples extracted from GMP08A, GMP23, and GMP24.

Per the project's Final Interim Landfill Gas Monitoring and Control Plan<sup>1</sup>, the methane action levels are as follows:

- The HPNS action level for GMPs along the fence line, in the UCSF compound, and along Crisp Ave. is 2.5% by volume in air.
- The regulatory action level for the concentration of methane gas migrating from the landfill must not exceed 5% by volume in air at the property boundary or an alternative boundary approved in accordance with 27 CCR §20925.

Since all methane readings were 0.0%, they are below the action levels for this monitoring period, and no further action is required.

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<sup>1</sup> Tetra Tech, 2004. Final Interim Landfill Gas Monitoring and Control Plan, Parcel E, Industrial Landfill, Hunters Point Shipyard, San Francisco, California. August 13.



### **Non-Methane Organic Compounds (NMOCs)**

- No NMOCs were detected by the field monitoring equipment in any of the samples from GMP08A, GMP23, or GMP24.

Per the project's Final Interim Landfill Gas Monitoring and Control Plan (Tetra Tech, 2004), the NMOC action level at these locations is as follows:

- 500 parts per million volume (ppmv) in GMPs

Since all NMOC readings were below this action level during the monitoring period, no further action is required.

### **Monitoring-Related Notes**

- The GEM-2000 landfill gas analyzer was checked for calibration before and after this monitoring event

The above monitoring information also will be included in the Annual Report for the monitoring year (July 2019-June 2020), to be prepared in July 2020.

The field data (Table 1) and a map showing monitoring point locations for this project (Figure 1) are included in this report. Please let me know if you have comments or questions about this monitoring event or the data included herein. You can reach me at (949) 887-2615 or by e-mail at [derrick.coleman@inyainc.com](mailto:derrick.coleman@inyainc.com).

Sincerely,

A handwritten signature in black ink, appearing to read "Derrick Coleman".

Derrick Coleman, Ph.D.  
INYA Inc., Senior Project Manager

Enclosures:     Figure 1. Site Map and Landfill Gas Monitoring Locations  
                     Table 1. Landfill Gas Monitoring Log



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FURTHER EVALUATION FOR FREEDOM OF INFORMATION  
ACT EXEMPTIONS AND WILL BE RELEASED OR WITHHELD  
AT A LATER DATE

Table 1. Landfill Gas Monitoring Log

Weather: Cool, sunny

Name: Colin Rowland

Sampling Location		Date	Time	Temp (°F)	Barometric Pressure (in. Hg)	GEM-2000				PID		Soil Gas Pressure (in. H <sub>2</sub> O)	Notes (e.g., active extraction, flow rate, probe damage, instrument issues)
Location ID	Description (for example, GMP, Well, Carbon, Hydrosil)					Methane (%)	CO <sub>2</sub> (%)	O <sub>2</sub> (%)	Percent of LEL	Non-Methane VOCs (ppmv)	Bckgrd. NMOCs (ppmv)		
GMP08A	Gas Monitoring Probe	5/12/20	10:16	67	30.01	0.0	5.6	6.6	0	0.0	0.0	0.0	
GMP23	Gas Monitoring Probe	5/12/20	9:14	65	30.01	0.0	14.9	0.4	0	0.0	0.0	0.0	
GMP24	Gas Monitoring Probe	5/12/20	9:08	65	30.01	0.0	16.4	0.0	0	0.0	0.0	0.0	

**Legend:**

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%. percent by volume in air

°F: degrees Fahrenheit

CO<sub>2</sub>: carbon dioxide

GEM-2000: CES-LANDTEC landfill gas meter

in. Hg: inches of mercury

in. H<sub>2</sub>O: inches of water

LEL: lower explosive limit

NA: not applicable

NMOC: non-methane organic compound

O<sub>2</sub>: oxygen

PID: photoionization detector

ppmv: parts per million by volume

VOC: volatile organic compound